

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
11 August 2005 (11.08.2005)

PCT

(10) International Publication Number
WO 2005/072291 A3

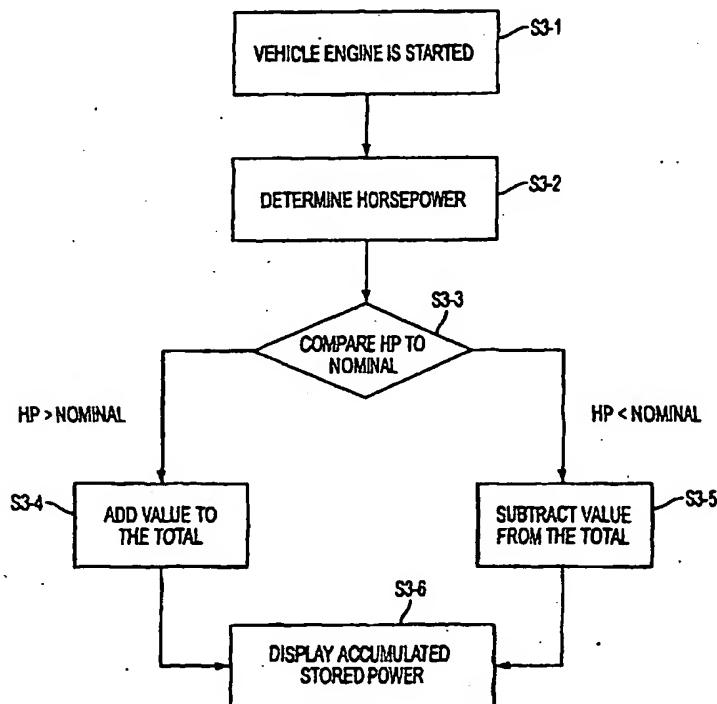
- (51) International Patent Classification⁷: F02B 63/00, G06G 7/70
- (21) International Application Number: PCT/US2005/002104
- (22) International Filing Date: 24 January 2005 (24.01.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/537,890 22 January 2004 (22.01.2004) US
- (71) Applicant (for all designated States except US): MACK TRUCKS, INC. [US/US]; 2402 Lehigh Parkway South, P.O. Box 1907, Allentown, Pennsylvania 18105 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): HOLLENBECK, Bruce, Phelps [US/US]; 2804 Post Road, Orefield, Pennsylvania 18069 (US).
- (74) Agents: REPPER, George, R. et al.; 1425 K Street, N.W., Suite 800, Washington, District of Columbia 20005 (US).

- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— with international search report

[Continued on next page]

(54) Title: ENGINE POWER STORAGE DEVICE AND METHOD



(57) Abstract: A power storage device is provided for a motor vehicle. An engine control unit (ECU) is configured to receive measurements of one or more engine and/or vehicle conditions and to determine an amount of unused engine power based upon the measurements and upon a nominal power rating of the engine when the engine is operated below the nominal power rating. The value of the amount of unused engine power is stored in memory as stored power.

WO 2005/072291 A3



— with amended claims and statement

(88) Date of publication of the international search report:
1 December 2005

Date of publication of the amended claims and statement:
26 January 2006

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(88) Date of publication of the international search report:
1 December 2005

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments